Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

LIFEBOOK E8110 / E8210
Your expert without compromises

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The LIFEBOOK E Series follows a simple philosophy: only the best will do. It is the perfect choice for the performance orientated office user: get latest technology to turn any work into a pleasant experience. The result is mobile performance powerful as desktops.

Its flexible design allows configuring the system exactly the way you like it. Top notch performance with only 2.3 kg makes this notebook one of the lightest in its class. The comprehensive security features, separate SmartCard reader, TPM and Fingerprint modules make your sensible data safe and secure – anytime, anywhere.

It has more connections than ever - from serial, parallel to SD/MMC card slot. There's embedded UMTS, WLAN and Bluetooth too! Take advantage of the growing network of wireless working and catch up emails where ever you are.

The new powerful Intel® Centrino® Duo Mobile Technology delivers high performance and long working away from the power socket.

Elegance

Designed for the most demanding mobile users, LIFEBOOKs are the perfect synthesis of form, function and style.

- Modular bay fitting an extra drive or battery for more flexibility
- Dual pointing devices with second set of mouse buttons: Touchpad and touchstick for ergonomic working

Ergonomics

- Enjoy the viewing quality of brilliant TFT displays and graphics:
  LIFEBOOK E8110: 15-inch XGA or 15-inch SXGA+ TFT display
  LIFEBOOK E8210: 15.4-inch WSXGA+ (16:10 format) and Intel's shared memory graphics or
  15.4-inch WSXGA+ TFT display and powerful ATI Mobility™ Radeon® X1400 graphics
- Dual pointing devices with second set of mouse buttons for ease of use
- Comfort with full sized keyboard
- New Port Replicator optionally available for simple connection to all your peripherals

Connectivity

- Bluetooth, Wireless LAN optional integrated
- Highest connectivity with embedded UMTS
- New Port Replicator optionally available for simple connection to all your peripherals
- Long lasting battery for independent working with first and second battery

Reliability

- Highest quality design with magnesium lid
- Hard disk drive ShockSensor minimizes data loss and guarantees a higher reliability of your data
- Spill-proof keyboard offers protection against system damage

Security

- Trusted platform module (TPM 1.2) provides more secure applications and makes transitions safe
- Maximum of security for the own data with integrated fingerprint[1] sensor and SmartCase™ Logon+ security software
- Software for complete virus protection

Designed for Windows® XP
Windows Vista™ Capable

Windows Vista™ Premium Ready

TrustedReviews.com TR RECOMMENDED

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PC VRHUNSKE PERFORMANSE

PC IZBOR UREDNIKA

System	LIFEBOOK E8110	LIFEBOOK E8210 with Intel graphics	LIFEBOOK E8210 with ATI graphics
Processor			
Intel® Core™ Duo Processor	T2300E (1.66GHz) T2400 (1.83GHz) T2500 (2.00GHz) T2600 (2.16GHz)	T2400 (Dual 1.83GHz) T2500 (Dual 2.00GHz) T2600 (Dual 2.16GHz)	T2400 (Dual 1.83GHz) T2500 (Dual 2.00GHz) T2600 (Dual 2.16GHz)
Second level cache	2048	2048	2048
Front side bus (FSB)	667 MHz	667 MHz	667 MHz
Intel® Core2™ Duo Processor	T5500 (1.66GHz) T5600 (1.83GHz)	T5500 (1.66GHz) T5600 (1.83GHz)	T5500 (1.66GHz) T5600 (1.83GHz)
Second level cache	2 MB	2 MB	2 MB
Front side bus (FSB)	667 MHz	667 MHz	667 MHz
Intel® Core2™ Duo Processor	T7200 (2.00GHz) T7400 (2.16GHz)	T7200 (2.00GHz) T7400 (2.16GHz)	T7200 (2.00GHz) T7400 (2.16GHz)
Second level cache	4 MB	4 MB	4 MB
Front side bus (FSB)	667 MHz	667 MHz	667 MHz
Chipset			
Northbridge	Intel 945GM	Intel 945GM	Intel 945PM
Southbridge	ICH 7-M	ICH 7-M	ICH 7-M
Memory			
DIMM slots	2	2	2
DDR2-667 SDRAM, 667 MHz	up to 2GB up to 4 GB with future modules	up to 2GB up to 4 GB with future modules	up to 2GB up to 4 GB with future modules
BIOS			
BIOS Flash EPROM	BIOS based on Phoenix TrustedCore Notebook	BIOS based on Phoenix TrustedCore Notebook	BIOS based on Phoenix TrustedCore Notebook
Interfaces			
SIM card slot			1
Infrared link (Fast IrDa 1.1, 4 Mbps)	1	1	1
Type I/II PC Card slot	1	1	1
SmartCard reader	1	1	1
Express card 34/54	1	1	1
3in1 Card Reader (SD, MMC and memory stick)	1	1	1
USB 2.0	4	4	4
S-Video out (TV-out)	1	1	1
VGA	1	1	1
Modem RJ-11	1	1	1
LAN RJ-45	1	1	1
Audio-in (line-in / microphone)	1	1	1
Audio-out (line-out / headphone)	1	1	1
DC-in	1	1	1
SPDIF	1	1	1
IEEE1394	1	1	1
PS/2	-	-	-
Serial port	1	1	1
Parallel port	1	1	1
Kensington Lock	1	1	1
Docking connector for Port Replicator	1	1	1
Port Replicator interfaces (optional):			
USB 2.0	4	4	4
VGA	1	1	1
DVI-I	-	-	-
DVI-D	1 (with HDCP support)	1 (with HDCP support)	1 (with HDCP support)
Serial port	1	1	1
Parallel port	1	1	1
LAN RJ-45	1	1	1
PS/2	1	1	1
DC-in	1	1	1
Microphone	1	1	1
Headphone	1	1	1
Power on switch	1	1	1
Kensington Lock	1	1	1
Modem on board			
56K V.92 modem MDC1.5	1	1	1
LAN on board			
built-in 10/100/1000 Mbps Marvell 88E8055	x	x	x
Wireless Technologies (WLAN)			
Import and usage according to country-specific regulations.			
Dual band antenna			
Intel PRO/Wireless 3945 a/b/g	optional	optional	optional
Atheros Minicard b/g 802.11 b/g	optional	-	-
WiFi certified	x	x	x
Integrated UMTS (HSDPA 1.8 Mb/s), also supported are GPRS and EDGE	-	optional	optional
Bluetooth			
Bluetooth V2.0	optional, with separate antenna	optional, with separate antenna	optional, with separate antenna
Audio			
Stereo speakers	x	x	x
Sound chip	RealTek ALC262	RealTek ALC262	RealTek ALC262
Internal microphone	x	array (optimal for VoIP)	array (optimal for VoIP)

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Keyboard and pointing device			
Keyboard	Spill proof keyboard, 86 keys, 19mm pitch, 2.7mm key stroke	Spill proof keyboard, 86 keys, 19mm pitch, 2.7mm key stroke	Spill proof keyboard, 86 keys, 19mm pitch, 2.7mm key stroke
Touchpad	witch two mouse buttons and one scroll button	witch two mouse buttons and one scroll button	witch two mouse buttons and one scroll button
Touchstick	x	x	x
Second set of mouse buttons	x	x	x
Fingerprint sensor	x*	x*	x*
Launch keys	x	x	x
Eco button	x	x	x
Recovery button	x	x	x
Status LCD (status panel)	x	x	x
Status LED	-	-	-
Graphics			
Intel GMA 950 with 256-bit graphics core with dynamic video memory technology up to 224MB, 32-bit color depth	x	x	-
ATI Mobility™ Radeon® X1400 graphics 128MB GDDR3 V-RAM	-	-	x
Direct X9	x	x	x
Pixelshader 2.0	x	x	x
DualView (Windows XP)	x	x	x
Display			
15-inch TFT XGA / 1024 x 768 pixel	x	-	-
15-inch TFT SXGA+ / 1400 x 1050 pixel	x	-	-
15.4-inch TFT WXGA / 1280 x 800 pixel	-	x	x
15.4-inch TFT WSXGA+ / 1680 x 1050 pixel	-	x	x
Max. resolution for external displays	1600 x 1200 / true color / 85 Hz	1600 x 1200 / true color / 85 Hz DVI: 1920 x 1200	1600 x 1200 / true color / 85 Hz +V261
Hard disk drives (internal) *			
S.M.A.R.T.	x	x	x
ShockSensor for HDD shock protection	x	x	x
40 GB S-ATA 150 (5400 rpm)	x	x	x
60 GB S-ATA 150 (5400 rpm)	x	x	x
80 GB S-ATA 150 (5400 rpm)	x	x	x
120 GB S-ATA 150 (5400 rpm)	x	x	x
* 1 Gbyte equals one billion bytes, when referring to hard disk drive capacity; accessible capacity may vary, also depending on used software and tool.			
Modular Drives			
DVD-ROM	x*	x*	x*
Combo	x	x	x
DVD super-multi incl. RAM	x	x	x
Manageability			
DeskView 6.x	**-**	**-**	**-**
DeskAlert	-	-	-
DeskFlash	-	-	-
DeskInfo	-	-	-
DeskOff	-	-	-
DeskWoL	-	-	-
DeskView Browser	-	-	-
DeskView 10	**x**	**x**	**x**
On/Offline remote client management	x	x	x
Detailed system inventory management and reports	x	x	x
BIOS Management	x	x	x
Power Management	x	x	x
System notifications	x	x	x
Security Remote Control	x	x	x
Helpdesk Integration	x	x	x
WoL (wake on LAN)	x	x	x
DeskUpdate Driver Management	x	x	x
DeskView Migrate Software Deployment and Migration Suite	optional	optional	optional
DeskView Control Advanced Hard-and Softwareinventory Suite	optional	optional	optional
Supported Standard			
WMI / CIM / WBEM	x	x	x
PXE	x	x	x
BootP	made4you	made4you	made4you
Security			
Physical security			
Kensington Lock support	x	x	x
System Security			
Boot sector virus protection			
Trusted Platform module 1.1b	optional	-	-
Trusted Platform module 1.2	-	optional	optional
F-Secure antivirus software	-	-	-
Norton Internet Security Symantec	x	x	x
User Security			
Integrated Security Panel with PIN code	-	-	-
User and supervisor BIOS password	x	x	x
SystemLock BIOS SmartCard security	x	x	x
Hard disk password	x	x	x
Integrated Fingerprint Sensor	x	x	x

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Integrated SmartCard controller in PC Card with system lock support	-	-	-
Seperate SmartCard slot	x	x	x
SmartCase Logon+	optional	optional	optional
Power supply			
1st Li-Ion battery 6 cell 5200mAh (56.2Wh)	x**	x**	x**
1st Li-Ion battery 8 cell 5200mAh (74.9Wh)	x	x	x
2nd Li-Ion battery 6 cell 2300mAh (24.8Wh) (Option)			
2nd Li-Ion battery 6 cell 3800mAh (41Wh) (Option)	x	x	x
Battery runtime:			
First battery * (Mobile Mark 2005) [up to]	6h - 6 cell battery** 8h - 8 cell battery	6 h – 6 cell battery** 7h 40min – 8 cell battery	4h – 6 cell battery** 5h – 8 cell battery
First + Second battery * (Mobile Mark 2002)	up to 12h	up to 11h	up to 8h
AC adapter 19V/80W Adapter			
Rated voltage (AC input) 100 - 240 V	x	x	x
Rated frequency 50 - 60 Hz			
DC output 19 V, 4.22 A			
Dynamic charge supported (rapid charge)	x	x	x
* Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.			
** for made4you customizing projects only			
Operating temperatures			
Relative humidity (non-condensing)	20% - 85% (running)	20% - 85% (running)	20% - 85% (running)
Ambient temperature	5° - 35° C	5° - 35° C	5° - 35° C
Dimensions / Weight			
Dimensions (H x W x D)	35 x 326 x 270	35 x 360 x 260	35 x 360 x 260
Weight*	2.4 kg (incl. 8 cell battery, weight saver) 2.3 kg (incl. 6 cell battery, weight saver)	2.57 kg (incl. 8 cell battery, weight saver) 2.47 kg (incl. 6 cell battery, weight saver)	2.58 kg (incl. 8 cell battery, weight saver) 2.5 kg (incl. 6 cell battery, weight saver)
* Weight may vary depending on actual configuration			
Certificates			
CE Marking	x	x	x
CE according to EU Directives 89/336/EEC (EMC) 73/23/EEC (Product safety)	x	x	x
CE according to 99/5/EEC (R&TTE)	-	-	-
CE! (Wireless)	x (with integrated WLAN)	x (with integrated WLAN)	x (with integrated WLAN)
CE (Emission/Immunity)	x	x	x
R&TTE	x	x	x
FCC	-	-	-
GS (German ergonomic approval)	x	-	-
UL/cUL	x	x	x
CB Generic Report	x	x	x
CB (Safety)	x	x	x
RoHS	x	x	x
WHQL	x	x	x
TBR21	x	x	x
Nordic Swan	-	-	-
Energy Star	x	x	x
WHQL			
WiFi certified	x	x	x
Operating System			
Microsoft Windows XP Professional	x	x	x
MicrosoftWindows Vista™ capable (min. 512 MB RAM necessary)	x	x	x
Microsoft Windows Vista™ Premium Ready (min. 1GB RAM / DVD reader necessary)	x	x	x
Software (compatibility / preinstalled)			
Adobe Acrobat Reader	x	x	x
Application panel tool	x	x	x
Camera			
Driver and Utility DVD	x	x	x
Eco Power Saving Utility	x	x	x
Easy Guide on-line user documentation	x	x	x
Nero	x (with combo or DVD RW drive)	x (with combo or DVD RW drive)	x (with combo or DVD RW drive)
Norton Internet Security (incl. Firewall) on Driver and Utility CD	x	x	x
Recovery Solution provided via Vista			
F-Secure antivirus software	-	-	-
Norton Ghost	-	-	-
Altiris Local Recovery Pro	x	x	x
Security panel application	-	-	-
TPM software (with TPM module only)	x	x	x
SmartCase Logon+	optional	optional	optional
Toshiba Stack 3.x	-	-	-
Toshiba Stack 4.x	x (with Bluetooth)	x (with Bluetooth)	x (with Bluetooth)
Bluetooth Toshiba Stack			
Broadcom BTW	-	-	-
Odyssey Client	x	x	x
UMTS watcher	-	x (with UMTS)	x (with UMTS)
WinDVD for MPEG II decode	x (as option)	x (as option)	x (as option)
Windows 2000 driver support	x	x	x

System	LIFEBOOK E8110	LIFEBOOK E8210 with Intel graphics	LIFEBOOK E8210 with ATI graphics
Accessories (order number)			
AC-adapter	S26391-F2474-L600	S26391-F2474-L600	S26391-F2474-L600
Case	Supreme case maxi S26391-F119-L71	Supreme case maxi S26391-F119-L71	Supreme case maxi S26391-F119-L71
Port Replicator	New Port Replicator S26391-F5031-L550	New Port Replicator S26391-F5031-L550	New Port Replicator S26391-F5031-L550
Battery	S26391-F405-E200	S26391-F405-E200	S26391-F405-E200
Modem adapter set 1: D, UK			
Modem adapter set 2: SW, NO, FI, DK			
Modem adapter set 3: CH, A, B, NL, F, I, E, POR			
http://www.fujitsu-siemens.com/accessories/			

1) Not all Windows Vista™ features are available for use on all Windows Vista Capable PCs. All Windows Vista Capable PCs will run the core experiences of Windows Vista, such as innovations in organizing and finding information, security, and reliability. Some features available in premium editions of Windows Vista -- like the new Windows® Aero™ user interface -- require advanced or additional hardware. Check www.windowsvista.com/getready for details.

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